

AMENDMENTS TO THE CLAIMS

Claims 1-8. (canceled)

Claim 9. (currently amended) A heat-shrinkable polyolefin series laminated film, comprising at least five layers, including two a surface layers (I), plus at least three intermediate layers formed from an intermediate layer (II), and an intermediate layer (III), each said layer comprising as a main component the following constituents; wherein said film has and with a heat shrinking ratio upon immersion in hot water at 80°C for 10 seconds of 20% or more in at least one of the directions the main shrinking direction of the film, and further wherein each said layer (I, (II), and (III) comprises as a main component the following constituents:

Surface layer (I): a mixed resin of a cyclic olefin series resin and a polyethylene series resin (A) in a mass ratio of 90/10 to 50/50;

Intermediate layer (II): a polyethylene series resin (B) whose crystal melting peak temperature (T_m) is no greater than 125°C, as measured with a differential scanning calorimeter (DSC); and

Intermediate layer (III): a cyclic olefin series resin,

wherein said film comprises a layer arrangement of (I) layer/(II) layer/(III) layer/(II) layer/(I) layer or (I) layer/(III) layer/(II) layer/(III) layer/(I) layer.

Claim 10. (currently amended) A heat-shrinkable polyolefin series laminated film, comprising at least five layers, including two a surface layers (I), plus at least three intermediate layers formed from an intermediate layer (II), and an intermediate layer (III), wherein each said layer (I, (II), and (III) comprising comprises as a main component the following constituents:

Surface layer (I): a mixed resin of a cyclic olefin series resin and a polyethylene series resin (A) with a crystal melting peak temperature (T_m) of 80°C or higher but no greater than 125°C, as measured with a differential scanning calorimeter (DSC), in a mass ratio of 90/10 to 50/50;

Intermediate layer (II): a polyethylene series resin (B) whose crystal melting peak temperature (T_m) is no greater than 125°C, as measured with a differential scanning calorimeter (DSC); and

Intermediate layer (III): a mixed resin of a cyclic olefin series resin and a polyethylene series resin (C), whose crystal melting peak temperature (T_m) exceeds 125°C but is no greater than 140°C, as measured with a differential scanning calorimeter (DSC), in a mass ratio of 95/5 to 50/50;

wherein said film comprises a layer arrangement of (I) layer/(II) layer/(III) layer/(II) layer/(I) layer or (I) layer/(III) layer/(II) layer/(III) layer/(I) layer.

Claim 11. (original) The heat-shrinkable polyolefin series laminated film as recited in Claim 10, wherein the crystal melting peak temperature (T_m) of the polyethylene series resin (A) is 90°C or higher but no greater than 125°C, as measured with a differential scanning calorimeter (DSC).

Claim 12. (currently amended) A heat-shrinkable polyolefin series laminated film, comprising at least five layers, including two a surface layers (I), plus at least three intermediate layers formed from an intermediate layer (II), and an intermediate layer (III), each layer comprising as a main component the following resins, wherein said film has and with heat shrinking ratio upon immersion in hot water at 100°C for 10 seconds of 60% or more in at least one of the directions the main shrinking direction of the film, and a maximum shrinking stress in the main shrinking direction of the film upon immersion in silicon oil at 80°C for 10 seconds of 10 MPa or less, and further wherein each said layer (I), (II), and (III) comprises as a main component the following constituents:

Surface layer (I): a mixed resin of cyclic olefin series resin and a polyethylene series resin (A) with a crystal melting peak temperature (T_m) of 80°C or higher but no greater than 125°C, as measured with a differential scanning calorimeter (DSC), in a mass ratio of 90/10 to 50/50;

Intermediate layer (II): a polyethylene series resin (B) with a crystal melting peak temperature (T_m) of no greater than 125°C, as measured with a differential scanning calorimeter (DSC); and

Intermediate layer (III): a mixed resin of a cyclic olefin series resin and a polyethylene series resin (C) with a crystal melting peak temperature (T_m) exceeding 125°C but no greater than 140°C, as measured with a differential scanning calorimeter (DSC), in a mass ratio of 90/10 to 60/40₋₂

wherein said film comprises a layer arrangement of (I) layer/(II) layer/(III) layer/(II) layer/(I) layer or (I) layer/(III) layer/(II) layer/(III) layer/(I) layer.

Claim 13. (original) The heat-shrinkable polyolefin series laminated film as recited in Claim 12, wherein the ratio of thickness of said intermediate layer (III) is 25% or more but no greater than 75% with respect to the thickness of the entirety of the film.

Claim 14. (original) The heat-shrinkable polyolefin series laminated film as recited in Claim 12, wherein the ratio of thickness of said intermediate layer (III) is 35% or more but no greater than 75% with respect to the thickness of the entirety of the film.

Claim 15. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 12, wherein modulus of elasticity in tensile is 1200 MPa or more in the direction orthogonal to the main shrinking direction of the film, as measured according to JIS K7127.

Claim 16. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 9, wherein any one layer, or two or more layers among said surface layer (I), intermediate layer (II) and intermediate layer (III) further comprise a molecular compound (D) in a proportion of one part by mass or more but no greater than 15 parts by mass with respect to 100 parts by mass of resin constituting each layer.

Claim 17. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 16, wherein said low molecular compound (D) is at least one species selected from

the group consisting of liquid polybutene, liquid polybutadiene, liquid polyisoprene, liquid hydrogenated polybutadiene, liquid hydrogenated polyisoprene and liquid paraffin.

Claim 18. (canceled)

Claim 19. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 9, wherein the specific gravity is less than 1.00.

Claim 20. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 9, wherein the specific gravity is 0.98 or less.

Claim 21. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 9, wherein the specific gravity is 0.97 or less.

Claim 22. (previously presented) A heat-shrinkable label comprising the heat-shrinkable polyolefin series laminated film as recited in Claim 9 and a printer layer formed on one side or both sides of the film, the specific gravity of the label being less than 1.00 after the print layer has been formed.

Claim 23. (previously presented) A unit comprising the heat-shrinkable label as recited in Claim 22 and a container fitted with the label.

Claim 24. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 10, wherein any one layer, or two or more layers among said surface layer (I), intermediate layer (II) and intermediate layer (III) further comprise a molecular compound (D) in a proportion of one part by mass or more but no greater than 15 parts by mass with respect to 100 parts by mass of resin constituting each layer.

Claim 25. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 12, wherein any one layer, or two or more layers among said surface layer (I), intermediate layer (II) and intermediate layer (III) further comprise a molecular compound (D) in a

proportion of one part by mass or more but no greater than 15 parts by mass with respect to 100 parts by mass of resin constituting each layer.

Claim 26. (canceled)

Claim 27. (canceled)

Claim 28. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 10, wherein the specific gravity is less than 1.00.

Claim 29. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 12, wherein the specific gravity is less than 1.00.

Claim 30. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 10, wherein the specific gravity is 0.98 or less.

Claim 31. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 12, wherein the specific gravity is 0.98 or less.

Claim 32. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 10, wherein the specific gravity is 0.97 or less.

Claim 33. (previously presented) The heat-shrinkable polyolefin series laminated film as recited in Claim 12, wherein the specific gravity is 0.97 or less.

Claim 34. (previously presented) A heat-shrinkable label comprising the heat-shrinkable polyolefin series laminated film as recited in Claim 10 and a printer layer formed on one side or both sides of the film, the specific gravity of the label being less than 1.00 after the print layer has been formed.

Claim 35. (previously presented) A heat-shrinkable label comprising the heat-shrinkable polyolefin series laminated film as recited in Claim 12 and a printer layer formed on one side or

both sides of the film, the specific gravity of the label being less than 1.00 after the print layer has been formed.

Claim 36. (previously presented) A unit comprising the heat-shrinkable label as recited in Claim 34 and a container fitted with the label.

Claim 37. (previously presented) A unit comprising the heat-shrinkable label as recited in Claim 35 and a container fitted with the label.